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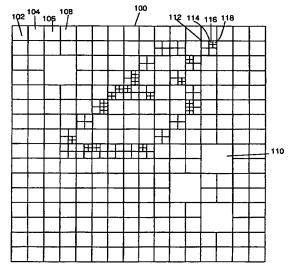
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(54) Title: MOTION ESTIMATION UNIT AND METHOD OF ESTIMATING A MOTION VECTOR

(57) Abstract: A motion estimation unit for estimating a motion vector for a group of pixels of an image of a series of images, comprises: generating means for generating a set of motion vector candidates for the group of pixels; matching means for calculating match errors for the respective motion vector candidates of the set; selecting means for selecting a first one of the motion vector candidates as the motion vector for the group of pixels, on basis of the match errors; and testing means for testing whether the group of pixels has to be split into sub-groups of pixels for which respective further motion vectors have to be estimated, similar to the motion vector being estimated for the group of pixels, the testing based on a measure related to a particular motion vector.

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